

ABSTRACT OF THE DISCLOSURE

The invention provides a method of manufacturing and analyzing a building made from Expanded PolyStyrene (EPS) which is coated on the inside and outside with Glass Fiber Reinforced Concrete (GFRC). The building is designed in a CAD program. Then, the building is divided up into small volumes in the CAD program or in a Finite Element Analysis program. Plates are added to the inner and outer surfaces of the volumes. Appropriate characteristics of the EPS and GFRC are assigned to the volumes and plates. A FEA analysis can then be run.